RECTANGULAR CANAL TYPE HORIZONTAL STEEL GRATING TRENCH COVER (STORM DUTY): 1000 X 1000 mm Width and Cross Bars at 25 mm centres. 50 mm THICK PAVING BLOCKS Tied 20 X 5mm flat iron anchors in concrete.

**Notes:**
- Variable as indicated to maximum depth.
- Steel reinforcing to be ASTM A615 @ 100 mm centres with single stirrups.
- Expansion joint between Canal and Wall only if indicated.

**Design Details:**
- Storm Water Canal
- Detail Copy
- Storm Water Canal Construction Joint
- Storm Water Canal Inlet Over Manhole

**Construction Details:**
- 30 MPa / 19mm concrete compacted to 95% Mod AASHTO density.
- 350 x 350 x 15mm CI Storm Water Grating
- 250 x 5mm MS Angle Iron Frame cast with lugs into concrete (Galvanized SANS 32 after manufacturing).
- 15mm Deep, 6mm Wide Sawn Joint SABS / SANS Approved Expanding swell waterstop.
- HDPE Manhole fall 1:10.

**Materials:**
- Steel floated surface finish
- Concrete 25 MPa / 19mm (SABS 1200 G / SANS 1200 G 5.5.1.7)
- HDPE Manhole fall 1:10.
- Polyethylene sheeting (mechanically jointed) SABS 952 / SANS 952.
- Rip and recompact in situ material to 95% Mod AASHTO density.

**Accessories:**
- 50 X 50 X 5mm MS Angle Iron Frame cast with lugs into concrete (Galvanized SANS 32 after manufacturing).
- 10mm Bitumen impregnated soft board.